

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P798294

Luminaire Tested: 14SRC-SCT3-UNV-MID-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14SRC-SCT3-UNV-MID-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

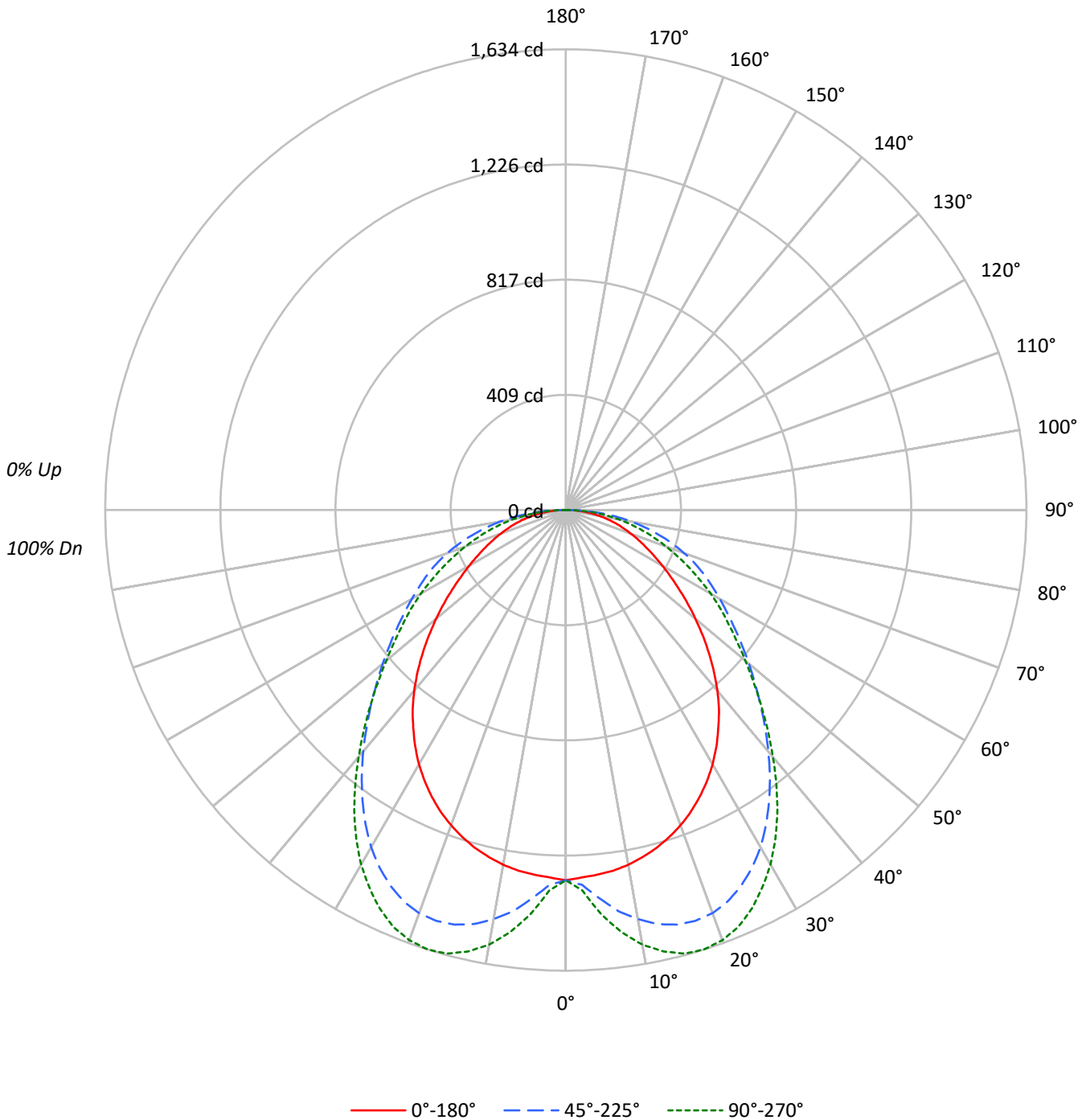
Lumens per Lamp: N/A
Luminaire Lumens: 4199.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36	36	36	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	29	29	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3534	3534	3534
5°	3507	3736	3887
10°	3491	4025	4276
15°	3458	4242	4538
20°	3407	4358	4649
25°	3335	4368	4635
30°	3236	4291	4513
35°	3099	4131	4298
40°	2938	3926	4015
45°	2734	3718	3729
50°	2513	3547	3478
55°	2305	3431	3309
60°	2131	3393	3194
65°	2005	3447	3067
70°	1938	3515	2980
75°	1912	3573	2947
80°	1881	3668	2946
85°	1905	3770	2986

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 4571 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	3.2
10°-20°	420.2	10.0
20°-30°	653.9	15.6
30°-40°	754.3	18.0
40°-50°	716.3	17.1
50°-60°	608.2	14.5
60°-70°	476.3	11.3
70°-80°	317.8	7.6
80°-90°	117.9	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1208.1	28.8
0°-40°	1962.3	46.7
0°-60°	3286.9	78.3
0°-90°	4199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1313	1313	1313	1313	1313	
5°	1298	1345	1383	1423	1439	123
15°	1241	1402	1522	1601	1629	350
25°	1123	1342	1471	1541	1561	517
35°	943	1153	1258	1300	1308	589
45°	718	895	977	987	980	554
55°	491	661	731	717	705	441
65°	315	482	541	499	482	314
75°	184	333	344	294	283	194
85°	62	139	122	100	97	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1313.2	1313.2	1313.2	1313.2	1313.2
2.5°	1304.3	1331.7	1331.0	1348.9	1350.9
5°	1298.1	1345.4	1383.2	1423.0	1438.8
7.5°	1289.9	1366.0	1435.3	1487.5	1509.4
10°	1277.5	1383.9	1473.1	1539.6	1565.0
12.5°	1261.1	1397.6	1503.9	1577.3	1603.4
15°	1241.2	1401.7	1522.5	1600.7	1628.8
17.5°	1217.1	1398.3	1528.0	1606.9	1633.6
20°	1189.7	1388.0	1521.8	1597.9	1623.3
22.5°	1158.8	1370.1	1502.6	1575.3	1600.0
25°	1123.1	1342.0	1471.0	1541.0	1560.9
27.5°	1084.0	1305.7	1430.5	1494.3	1509.4
30°	1041.5	1261.1	1381.1	1438.1	1452.5
32.5°	994.2	1209.6	1322.1	1372.2	1383.2
35°	943.4	1152.7	1257.6	1300.2	1308.4
37.5°	892.6	1090.2	1189.0	1223.3	1226.8
40°	836.4	1025.7	1117.7	1144.4	1143.0
42.5°	778.0	959.9	1046.3	1065.5	1060.7
45°	718.3	894.7	977.0	987.3	979.8
47.5°	658.7	830.2	909.8	913.2	902.9
50°	600.3	769.8	847.3	843.2	830.9
52.5°	544.8	714.2	787.6	777.4	765.0
55°	491.2	661.4	731.4	717.0	705.3
57.5°	441.2	613.4	679.2	661.4	650.4
60°	395.9	566.7	630.5	609.3	593.5
62.5°	353.3	523.5	584.6	554.4	536.5
65°	314.9	482.3	541.3	498.8	481.6
67.5°	279.9	442.5	496.7	445.3	428.8
70°	246.3	406.2	446.7	393.8	378.7
72.5°	214.1	369.8	396.6	343.7	330.0
75°	183.9	333.4	343.7	294.3	283.4
77.5°	153.0	296.4	290.2	247.7	236.7
80°	121.4	250.4	236.7	199.0	190.1
82.5°	91.9	198.3	181.1	150.3	145.5
85°	61.7	138.6	122.1	100.2	96.7
87.5°	32.2	74.1	61.1	48.7	48.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)